

**NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW**

The drawing(s) filed (insert date) 5/14/01 are:

- A.      approved by the Draftsperson under 37 CFR 1.84 or 1.152.  
B. 2 objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. Corrected drawings are required.

(based on original drawings at the center site  
6/12/03)

- 1. DRAWINGS.** 37 CFR 1.84(a): Acceptable categories of drawings: Black ink or Color (3 sets required).  
— Color drawings are not acceptable until petition is granted. Fig(s) \_\_\_\_\_  
— Pencil and non black ink not permitted. Fig(s) \_\_\_\_\_  
**2. PHOTOGRAPHS.** 37 CFR 1.84(b)  
— 1 full-tone set is required. Fig(s) \_\_\_\_\_  
— Photographs may not be mounted. 37 CFR 1.84(e)  
— Photographs must meet paper size requirements of 37 CFR 1.84(f). Fig(s) \_\_\_\_\_  
— Poor quality (half-tone). Fig(s) \_\_\_\_\_  
**3. TYPE OF PAPER.** 37 CFR 1.84(e)  
— Paper not flexible, strong, white, and durable. Fig(s) \_\_\_\_\_  
— Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) \_\_\_\_\_  
**4. SIZE OF PAPER.** 37 CFR 1.84(f): Acceptable sizes:  
21.0 cm by 29.7 cm (DIN size A4) or  
21.6cm by 27.9cm (8 1/2x 11 inches)  
— All drawing sheets not the same size. Sheet(s) \_\_\_\_\_  
— Drawings sheets not an acceptable size. Fig(s) \_\_\_\_\_  
**5. MARGINS.** 37 CFR 1.84(g): Acceptable margins:  
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm  
— Margins not acceptable. Fig(s) \_\_\_\_\_  
— Top (T) \_\_\_\_\_ Left (L) \_\_\_\_\_  
— Right (R) \_\_\_\_\_ Bottom (B) \_\_\_\_\_  
**6. VIEWS.** 37 CFR 1.84(h)  
REMINDER: Specification may require revision to correspond to drawing changes, e.g., if Fig. 1 is changed to Fig. 1A, Fig. 1B and Fig. 1C, etc., the specification, at the Brief Description of the Drawings, must likewise be changed.  
— Views not labeled separately or properly. Fig(s) \_\_\_\_\_  
**7. SECTIONAL VIEWS.** 37 CFR 1.84(h)(3)  
— Sectional designation should be noted with Arabic or Roman numbers. Fig(s) \_\_\_\_\_

- 8. ARRANGEMENT OF VIEWS.** 37 CFR 1.84(i)  
— Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) \_\_\_\_\_  
**9. SCALE.** 37 CFR 1.84(k)  
— Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) \_\_\_\_\_  
**10. CHARACTER OF LINES, NUMBERS, & LETTERS.** 37 CFR 1.84(l)  
X Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) 1-3  
**11. SHADING.** 37 CFR 1.84(m)  
— Solid black areas pale. Fig(s) \_\_\_\_\_  
— Solid black shading not permitted. Fig(s) \_\_\_\_\_  
**12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.** 37 CFR 1.84(p)  
— Numbers and reference characters not plain and legible. Fig(s) \_\_\_\_\_  
— Figure legends are poor. Fig(s) \_\_\_\_\_  
— Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) \_\_\_\_\_  
— English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) \_\_\_\_\_  
— Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Fig(s) \_\_\_\_\_  
**13. LEAD LINES.** 37 CFR 1.84(q)  
— Lead lines missing. Fig(s) \_\_\_\_\_  
**14. NUMBERING OF SHEETS OF DRAWINGS.** 37 CFR 1.84(t)  
— Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) \_\_\_\_\_  
**15. NUMBERING OF VIEWS.** 37 CFR 1.84(u)  
— Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) \_\_\_\_\_  
**16. DESIGN DRAWINGS.** 37 CFR 1.152  
— Surface shading shown not appropriate. Fig(s) \_\_\_\_\_  
— Solid black surface shading is not permitted except when used to represent the color black as well as color contrast. Fig(s) \_\_\_\_\_

**COMMENTS:**

Reviewer A. O.

If you have questions, call (703) 305-8404.

Date 8/12/03

Attachment to Paper No. 5